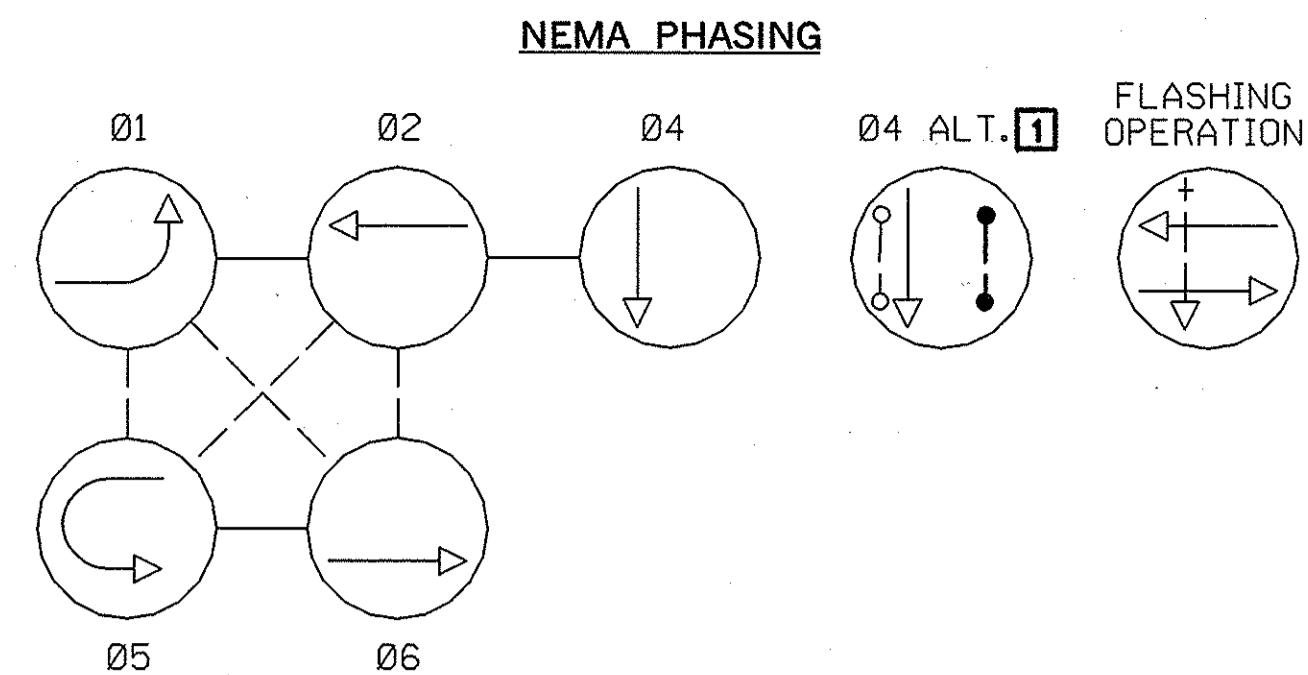
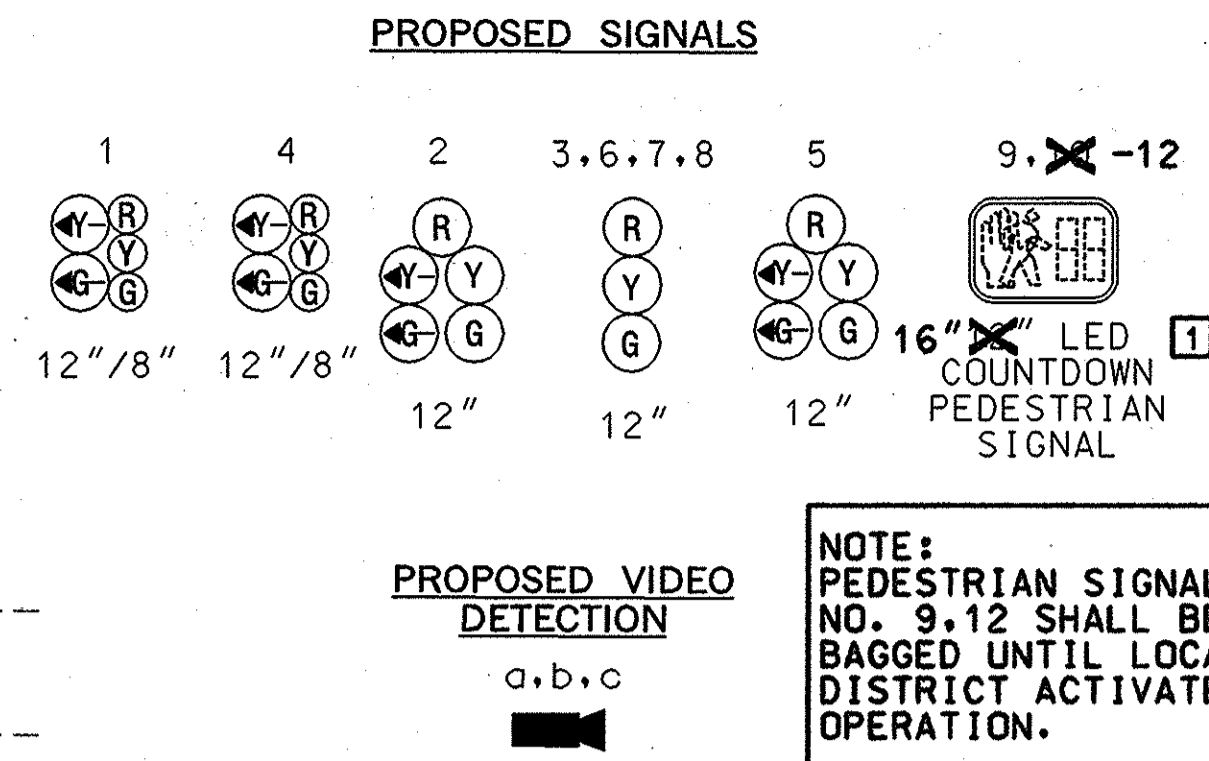
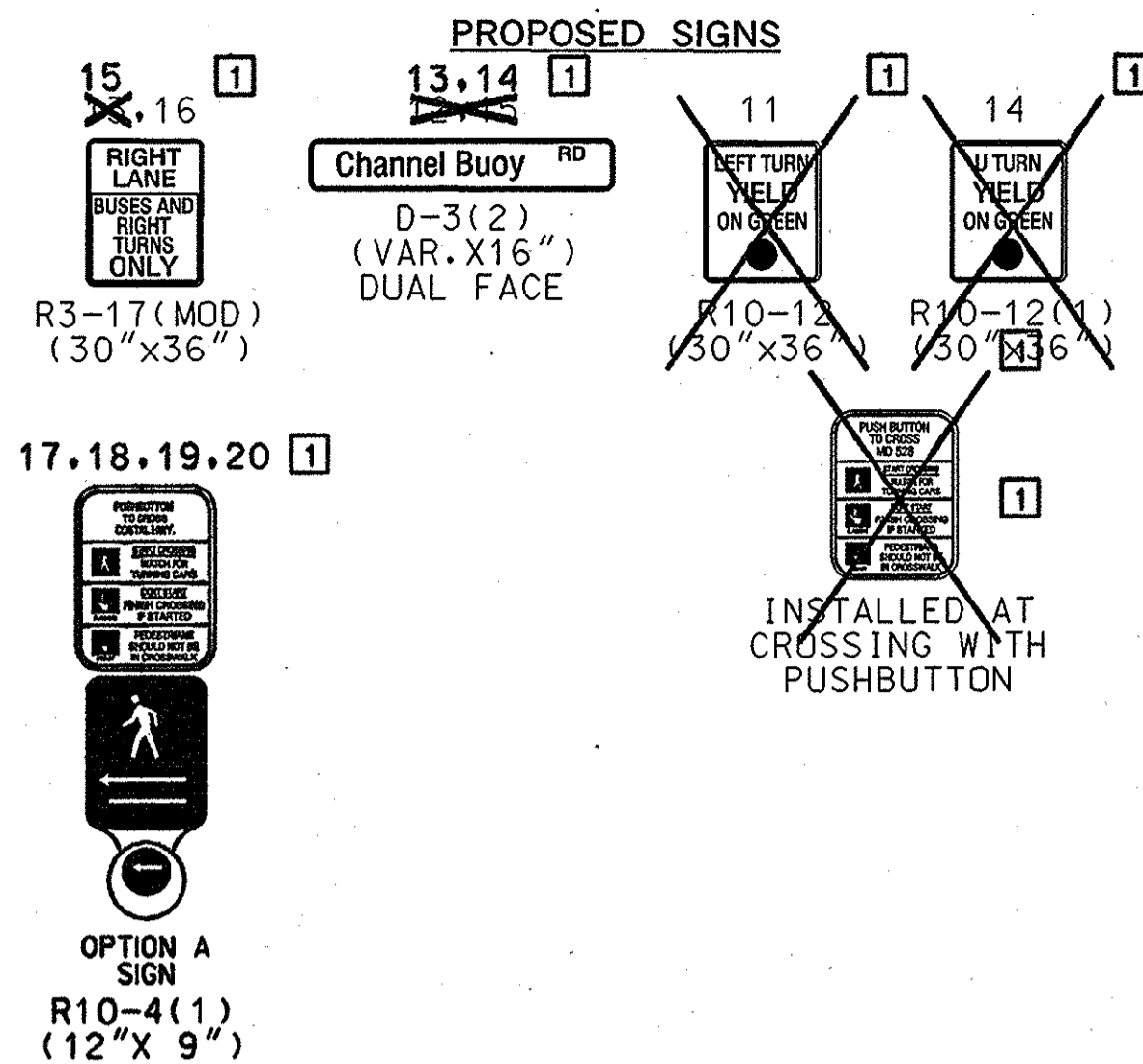


MD 528 IS ASSUMED TO RUN
IN A NORTH / SOUTH DIRECTION



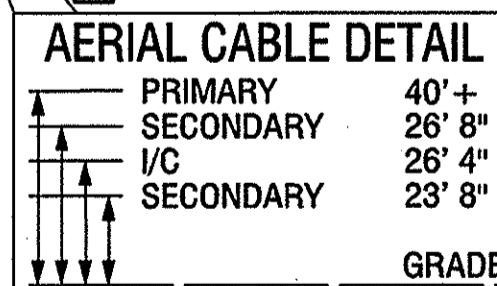
NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH A 18 FT STEEL POLE WITH SINGLE 70 FT MAST ARM WITH SPECIAL 15 FT "T" DIMENSION WITH SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN, AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3. IN. PVC SCHEDULE 80 CONDUIT BEND).
- B. INSTALL CONCRETE FOUNDATION WITH A 18 FT STEEL POLE WITH SINGLE 60 FT MAST ARM WITH SPECIAL 15 FT "T" DIMENSION WITH SIGNAL HEADS, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN, AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- C. INSTALL CONCRETE FOUNDATION WITH A 18 FT STEEL POLE WITH SINGLE 38 FT MAST ARM (CUT DOWN TO 28 FT.) WITH SPECIAL 15 FT "T" DIMENSION WITH SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN, AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). PROVIDE 3 IN. WEATHER HEAD AT TOP OF THE POLE FOR I/C.
- D. REMOVE EXISTING SIDEWALK AND INSTALL NEW CONCRETE SIDEWALK RAMP PER MSHA STANDARD (CONTRACTOR SHALL MATCH EXISTING SIDEWALK SLOPE). DETAIL NO. 655.12.
- E. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED. STUD UP CONDUIT BEND AT BASE OF EXISTING UTILITY POLE# 2388 5006. FOR POWER FEED. SERVICE CONNECTION SHALL BE MADE BY POWER COMPANY.
- F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- H. INSTALL HANDHOLE.
- J. REMOVE EXISTING POLE, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- K. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
- L. USE EXISTING BASE MOUNTED CONTROLLER, CABINET, INSTALL APS CONTROL UNIT.
- M. USE EXISTING HANDHOLE.
- N. USE EXISTING CONDUIT.
- D. CAP AND ABANDON EXISTING CONDUIT.
- R. DISCONNECT AND REMOVE EXISTING LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- S. INSTALL NEW 8 IN. CURB AND 12 IN. GUTTER, AND SIDEWALK. (CONTRACTOR SHALL MATCH EXISTING CURB AND GUTTER SLOPE AND DIMENSIONS).

MD 528

MD 528



GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. ALL PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED EXCEPT THE CONTROLLER UNIT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
7. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
8. THE CONTRACTOR SHALL REMOVE ALL UNUSED CABLES IN CONDUIT SYSTEM.
9. THE CONTRACTOR SHALL COVER (BAG) PEDESTRIAN SIGNAL HEADS NO. 9 AND 12. THE LOCAL DISTRICT SHALL ACTIVATE THE OPERATION.

REDLINE DATE: JAN. 12, 2006

GEOMETRIC LEGEND

EXISTING
PROPOSED

PROPOSED
GEOMETRIC
WORK ZONE

UTILITY LEGEND

SD STORM DRAIN
G GAS MAIN
W WATER MAIN
SAN SEWER MAIN
E ELECTRIC CABLES
A AERIAL CABLES
T TELEPHONE CABLES
FO FIBER-OPTIC

- T. REMOVE EXISTING CURB AND GUTTER AND INSTALL NEW CONCRETE SIDEWALK. (CONTRACTOR SHALL MATCH EXISTING SIDEWALK SLOPE).
- U. INSTALL NEW SIDEWALK RAMP PER MSHA STANDARD DETAIL NO. 655.11.
- V. REMOVE EXISTING PAVEMENT MARKING. (OUTTER EDGE LINE)
- W. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- X. REMOVE AND REPLACE INTERCONNECT TO GOLD COAST MALL INTERSECTION, USE EXISTING ATTACHMENTS.
- Y. REMOVE AND REPLACE INTERCONNECT TO OLD LANDING ROAD INTERSECTION, USE EXISTING ATTACHMENTS.
- Z. INSTALL 200 AMP METERED SERVICE PEDESTAL.
- AA. INSTALL 2 IN. PVC SCHEUDLE 80 ELECTRICAL CONDUIT - TRENCHED. (CONNECT WITH EXISTING 2 IN. SPARE IN CABINET FOUNDATION).

- BB. REMOVE EXISTING CURB AND REPLACE WITH NEW 5 IN. x 5 IN. CONCRETE CURB. (PROVIDE OPENING FOR DRAINAGE FROM PARKING LOT).
- CC. REMOVE AND DISPOSE OF 12 IN. DIA. PINE TREE AND STUMP, BACKFILL WITH TOP SOIL AND MULCH.
- DD. INSTALL CONCRETE FOUNDATION WITH 10 FT PEDESTAL POLE W/BREAKAWAY BASE. PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGN. (NOTE: ONE 2 IN. PVC SCHEDULE 80 CONDUIT BEND).
- EE. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- FF. INSTALL DETECTABLE WARNING SURFACES PER MSHA STANDARD DETAIL NO. 655.40.

SABRA, WANG & ASSOCIATES, INC.
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WWW.SABRA-WANG.COM

APPROVALS

TEAM LEADER
ASST. DIV.
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

REDLINE REVISION NO. 1 01-12-06
SHA CONTRACT NO. AT3555185
SWA
F SIGNAL RECONSTRUCTION 11-07-04
SHA CONTRACT NO. AT3555185
SWA
E REPLACE SPAN WIRE AND SIGNALS 12-15-97
RRZ MR DAZ BRK TH

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
**MD 528 AND
CHANNEL BUOY ROAD**

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE JUNE 18, 1976 CONTRACT NO. 855-25001

DESIGNED BY N/A COUNTY WORCHESTER
DRAWN BY SERIO & KAPLAN LOGMILE 23052802.34
CHECKED BY OBD T.I.M.S. NO. 6224
F.A.P. NO. N/A TOD NO.

DRAWING NO. TS-1430F SHEET NO. 1 OF 2

PLOTTED: THURSDAY, JANUARY 12, 2006 AT 11:55 AM
FILE: RA200612 2006-12-TASK 79\DON\PS-0002_0224.DGN